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TOWNSEND and TOWNSEND and CREW LLP

By: 

PATENT

Attorney Docket No.: 019633-000129US

Client Reference No.: NRC00072.1D1C7

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

GILBERT and WAKARCHUK

Application No.: 10/821,604

Filed: April 8, 2004

For: LOS LOCUS FROM C. JEJUNI

Confirmation No.: 1518

Examiner: Sheridan SWOPE

Art Unit: 1652

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT UNDER  
37 CFR §1.97 and §1.98

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08&B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 10/303,128, filed November 21, 2002 (Attorney Docket No. 019633-000112US).

Also enclosed is a copy of the Search/Examination report corresponding to the PCT application.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

04/27/2007 AWONDAF1 00000074 201430 10021604  
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Application No.: 10/821,604  
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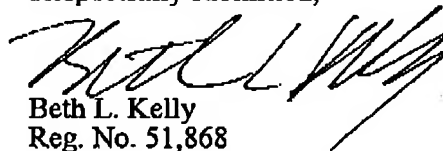
PATENT

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

  
Beth L. Kelly  
Reg. No. 51,868

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PTO/SI/08A&amp;B (07-06)

Substitute for form 1449A&B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	10/821,604
				Filing Date	April 8, 2004
				First Named Inventor	Michel GILBERT
				Art Unit	1652
				Examiner Name	Sheridan SWOPE
Sheet	1	of	3	Attorney Docket Number	019633-000129US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-5,352,670	10-04-1994	Venot, et al.	
	2	US-5,374,541	12-20-1994	Wang, et al.	
	3	US-5,545,553	05-13-1996	Gotschlich	
		US-			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	4	WO	92/16840		10-01-1992	The Scripps Research Institute		<input type="checkbox"/>
	5	WO	96/32491		10-17-1996	Cytel Corp.		<input type="checkbox"/>
	6	WO	99/49051	A1	09-30-1999	National Research Council of Canada		<input type="checkbox"/>
	7	WO	00/6379	A1	08-10-2000	Gilbert et al.		<input type="checkbox"/>
	8							<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	9	ASPINALL et al., "Lipopolysaccharides of Campylobacter jejuni Serotype O:19: Structures of Core Oligosaccharide Regions from the Serostrain and Two Bacterial Isolates from Patients with the Guillain-Barré Syndrome" Biochemistry, 33: 241-249 (1994b)	<input type="checkbox"/>	
	10	ASPINALL et al., "Lipopolysaccharides of Campylobacter jejuni Serotype O:19: Antigen Chains from the Serostrain and Two Bacterial Isolates from Patients with the Guillain-Barré Syndrome" Biochemistry, 33: 250-255 (1994c)	<input type="checkbox"/>	
	11	ASPINALL, et al., "Chemical Structures of the Core Regions of Campylobacter Jejuni Serotypes O:1, O:4, O:23, and O:38 Lipopolysaccharides," European Journal of Biochemistry, Vol. 213, No. 3, pp. 1017-1027, (May 1993)	<input type="checkbox"/>	
	12	ASPINALL, et al., "Lipopolysaccharides from Campylobacter Jejuni Associated with Guillain-Barré Syndrome Patients Mimic Human Gangliosides In Structure," Infection and Immunity, Vol. 62, No. 5, pp. 2122-2125, (May 1994)	<input type="checkbox"/>	

Examiner Signature		Date Considered	
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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				Examiner Name	Sheridan SWOPE
Sheet	2	of	3	Attorney Docket Number	019633-000129US

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	13	AUSUBEL et al., "Protein Expression In: Current Protocols In Molecular Biology, Wiley and Sons, Inc. Chapter 18. (1987	<input type="checkbox"/>	
	14	BELUNIS et al., "Biosynthesis of Endotoxin" J. Biol. Chem., 267: 9986-9997 (1992)	<input type="checkbox"/>	
	15	GAUDINO et al., "A Novel and Efficient Synthesis of Neolacto Series Gangliosides 3'-nLM1 and 6'-nLM1 " J. Am. Chem. Soc., 116: 1149-1150 (1994)	<input type="checkbox"/>	
	16	GILBERT et al., "Cloning of the Lipooligosaccharide $\alpha$ -2,3-Sialyltransferase from the Bacterial Pathogens <i>Neisseria Meningitidis</i> and <i>Neisseria Gonorrhoeae</i> ," Journal of Biological Chemistry, Vol. 271, No. 45, pp. 28271-28276, The American Society for Biochemistry and Molecular Biology, Inc., USA, (November 8, 1996)	<input type="checkbox"/>	
	17	GILBERT, et al., "Biosynthesis of Ganglioside Mimics In <i>Campylobacter Jejuni</i> OH4384," The Journal of Biological Chemistry, Vol. 275, No. 6, pp. 3896-3906, The American Society for Biochemistry and Molecular Biology, Inc., USA, (February 11, 2000)	<input type="checkbox"/>	
	18	ITO et al., "Synthesis of Bioactive Sialosides" Pure Appl. Chem., 65: 753 (1993)	<input type="checkbox"/>	
	19	KUROKI, "Campylobacter Jejuni Strains from Patients with Guillain-Barré Syndrome Belong Mostly to Penner Serogroup 19 Contain $\beta$ -N-Acetylglucosamine Residues" Ann. Neurol., 33: 243-247 (1993)	<input type="checkbox"/>	
	20	PARKHILL, et al. "The Genome Sequence of the Food-Borne Pathogen <i>Campylobacter Jejuni</i> Reveals Hypervariable Sequences," Nature, Vol. 403, pp. 665-668, (February 10, 2000)	<input type="checkbox"/>	
	21	PENNER, et al., "Diversity of Lipopolysaccharide Structures in <i>Campylobacter Jejuni</i> ," The Journal of Infectious Diseases, Vol. 176, No. 2, pp. S135-S138, (December 1997)	<input type="checkbox"/>	
	22	PRENDERGAST, et al., "Lipopolysaccharides from <i>Campylobacter Jejuni</i> O:41 Strains Associated with Guillain-Barré Syndrome Exhibit Mimicry of GM1 Ganglioside," Infection and Immunity, Vol. 66, No. 8, pp. 3649-3677, (August 1998)	<input type="checkbox"/>	
	23	PRESTON, et al., "The Lipooligosaccharides of Pathogenic Gram-Negative Bacteria," Critical Reviews In Microbiology, Vol. 22, No. 3, pp. 139-180, (1996)	<input type="checkbox"/>	
	24	SABESAN et al., "Combined Chemical and Enzymatic Synthesis of Sialyloligosaccharides and Characterization by 600-MHz <sup>1</sup> H and <sup>13</sup> C NMR Spectroscopy" J. Am. Chem. Soc., 108: 2068-2080 (1986)	<input type="checkbox"/>	

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PTO/SB/DRA&amp;B (07-06)

Substitute for form 1449A&B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>		
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Attorney Docket Number	019633-000129US					
Sheet	3	of	3			

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	25	SALLOWAY, et al., "Miller-Fisher Syndrome Associated with Campylobacter Jejuni Bearing Lipopolysaccharide Molecules that Mimic Human Ganglioside GD3." Infection and Immunity, Vol. 64, No. 8, pp. 2946-2949, (August 1996)	<input type="checkbox"/>	
	26	TOMB et al., "The Complete Genome Sequence of the Gastric Pathogen Helicobacter pylori", Swiss-Pat Acc #A64547. Alignment with SEQ ID NO:17.	<input type="checkbox"/>	
	27	WAKARCHUK et al., "Functional Relationships of the Genetic Locus Encoding the Glycosyltransferase Enzymes Involved in Expression of the Lacto-N-neotetraose Terminal Lipopolysaccharide Structure in Neisseria meningitidis" J. Biol. Chem., 271: 19168-19173 (1996)	<input type="checkbox"/>	
	28	WOOD, et al., "Cloning, Mutation and Distribution of a Putative Lipopolysaccharide Biosynthesis Locus in Campylobacter Jejuni," Microbiology, Vol. 145, No. 2, pp. 379-388, (February 1999)	<input type="checkbox"/>	

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